



STUBS

**STUBS FILES
engineers
saw
precision
needle**



Stubs products are marketed by
James Neill (Sheffield) Limited
Napier Street Sheffield S11 8HB England



it pays you to insist on **STUBS** files

ECONOMY—STUBS FILES SAVE MONEY

Regardless of the work to be done it always pays to use a quality file. It can be counted on to do a better job in less time with less effort.

EFFICIENCY—STUBS FILER ARE SHARPER

Years of research and practical experience have proved the best shape of file tooth for every job. Automatic cutting machines guarantee consistent tooth shape, file after file.

DURABILITY—STUBS FILES HAVE HARDER TEETH

Constant research and development in hardening techniques, plus the 'know how' of almost 200 years of file manufacturing, ensure that the file teeth are of maximum hardness without having detrimental brittleness.

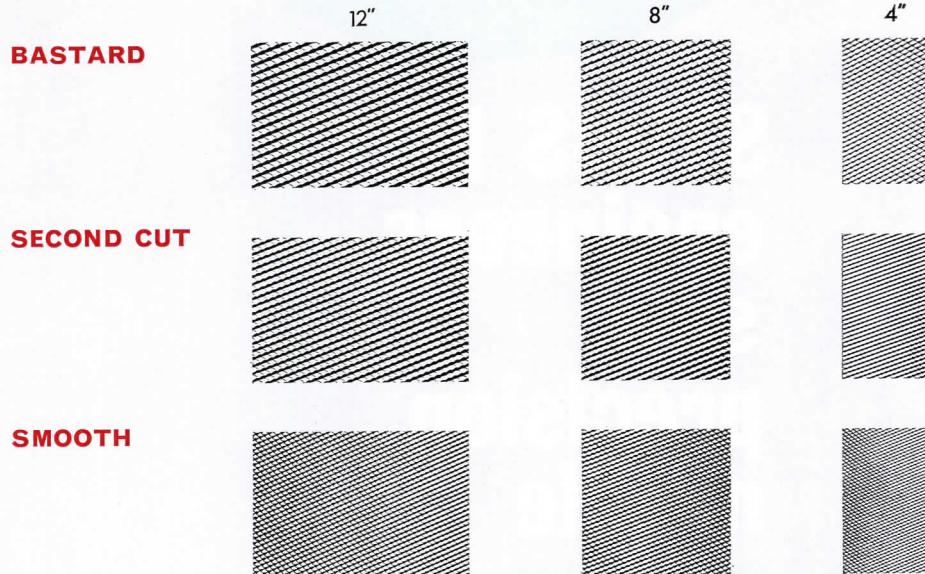
UNIFORMITY—STUBS FILES HAVE NO HIDDEN FLAWS

The very latest manufacturing methods, ranging from machine forging to precision grinding, ensure constant dimensional accuracy, and equal performance on every face.

QUALITY—STUBS FILES ARE CONSISTENTLY BETTER

Stubs files are subjected to the same quality control procedures as all ECLIPSE products, ensuring a consistently good product.

Comparison of standard cuts



Cuts available as Standard—Bastard—2nd cut—Smooth. Dead Smooth where indicated *



HAND	Length		Width		Thickness	
	mm	in	mm	in	mm	in
*100	4		12	15/32	3	7/64
*150	6		16	5/8	4	5/32
*200	8		21	13/16	5	13/64
250	10		25	1	6	1/4
300	12		30	13/16	7	17/64
350	14		35	13/8	8	5/16
400	16		40	19/16	9	11/32



FLAT	100	4	12	15/32	3	7/64
	150	6	16	5/8	4	5/32
	200	8	21	13/16	5	13/64
	250	10	25	1	6	1/4
	300	12	30	13/16	7	17/64
	350	14	35	13/8	8	5/16
	400	16	40	19/16	9	23/64



PILLAR	100	4	10	3/8	3	1/8
	150	6	13	1/2	5	3/16
	200	8	16	5/8	5	3/16
	250	10	19	3/4	6	1/4

NARROW	150	6	6	1/4	3	1/8
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WARDING	100	4	12	15/32	1	3/64
	125	5	13	17/32	2	1/16
	150	6	16	5/8	2	5/64
	200	8	20	51/64	3	7/64

**HALF ROUND**

	Length		Width		Thickness	
	mm	in	mm	in	mm	in
100	4		11		4	
150	6		16		5	
200	8		20		6	
250	10		25		7	
300	12		30		9	
350	14		34		10	
400	16		40		12	

**ROUND**

	Length		Diameter	
	mm	in	mm	in
100	4		4	
125	5		5	
150	6		6	
200	8		8	
250	10		9	
300	12		12	
350	14		15	
400	16		18	

**SQUARE**

100	4	4	5/32
125	5	5	3/16
150	6	6	15/64
200	8	8	19/64
250	10	9	11/32
300	12	12	15/32
350	14	15	19/32
400	16	18	23/32

**THREESQUARE**

100	4	9	11/32
125	5	10	25/64
150	6	12	15/32
200	8	15	19/32
250	10	18	23/32
300	12	21	27/32
350	14	25	31/32



engineers files



KNIFE	Length		Width		Thickness	
	mm	in	mm	in	mm	in
100	4		13	1/2	3	1/8
150	6		17	11/16	4	11/64
200	8		22	7/8	6	7/32



FARMERS OWN REAPER R5	200	8	25	31/32	4	11/64
	250	10	25	31/32	4	11/64



ALL PURPOSE FILE (MAGNETO)	Length		Width	
	mm	in	mm	in
	89	3 1/2	8	5/16

Cuts available as indicated

**One Round Edge**

MILLSAW Blunt Heavy 2nd Cut	Length mm	Length in	Width mm	Width in	Thickness mm	Thickness in
	200	8	24	15/16	5	3/16
		250	10	27	1 1/16	6
		300	12	30	1 3/16	6

Two Round Edges

200	8	24	15/16	5	3/16
250	10	27	1 1/16	6	7/32
300	12	30	1 3/16	6	1/4

**TAPER SAW**

2nd Cut

Heavy

mm	Length in	Width mm	Width in
	150		17/32
175	7	15	19/32
200	8	17	21/32

Slim

mm	Length in	mm	Width in
100	4	6	7/32
110	4 1/2	6	1/4
125	5	7	9/32
150	6	9	11/32
175	7	10	13/32
200	8	12	15/32

Regular

100	4	9	11/32
110	4 1/2	10	3/8
125	5	10	13/32
150	6	12	15/32
175	7	13	17/32
200	8	15	19/32
225	9	17	21/32
250	10	18	23/32

Extra Slim

100	4	5	3/16
110	4 1/2	6	7/32
125	5	6	7/32
150	6	7	9/32
175	7	9	11/32
200	8	10	13/32



**DOUBLE ENDED
SAW
2nd Cut**

	Length		Width	
	mm	in	mm	in
150	6		6	7/32
175	7		6	1/4
200	8		7	9/32
225	9		9	11/32
250	10		10	3/8

**BANDSAW
Regular
2nd Cut**

150 6 12 15/32

**CROSSCUT
2nd Cut**

	Length		Width		Thickness	
	mm	in	mm	in	mm	in
150	6		14	9/16	5	3/16
200	8		17	11/16	6	1/4
250	10		21	13/16	9	11/32

**CHAINSAW
Smooth**

	Length		Diameter	
	mm	in	mm	in
150	6		5	3/16
200	8		6	7/32
200	8		6	1/4
200	8		7	9/32
200	8		8	5/16



precision files

Cuts: 000, 00, 0, 1, 2, 3, 4, 6 (see price list)



	Length mm	Length in	Width mm	Width in	Thickness mm	Thickness in
HAND	100	4	12	1 ¹⁵ / ₃₂	3	7/64
	150	6	16	5/8	4	5/32
	200	8	21	1 ³ / ₁₆	5	13/64



PILLAR	100	4	9.5	3/8	3	1/8
	150	6	12.7	1/2	5	3/16
	200	8	16	5/8	5	3/16



NARROW PILLAR	100	4	5.5	7/32	3	1/8
	150	6	6.35	1/4	3	1/8
	200	8	9	23/64	5	3/16



HALF ROUND	100	4	12	1 ¹⁵ / ₃₂	3.5	9/64
	150	6	16	5/8	5	3/16
	200	8	20	25/32	6	15/64



	Length		Width		Thickness	
	mm	in	mm	in	mm	in
CROSSING	100	4	12	15/32	3.5	9/64
	150	6	16	5/8	5	3/16
	200	8	20	25/32	6	15/64



	Length		Width		Thickness	in
	mm	in	mm	in		
THREESQUARE	100	4	7	9/32		
	150	6	9.5	3/8		
	200	8	12.7	1/2		



	Length		Width		Thickness	
	mm	in	mm	in	mm	in
KNIFE	100	4	12.7	1/2	3	1/8
	150	6	17.5	11/16	4.35	11/64
	200	8	22	7/8	5.5	7/32



TAPER FLAT	100	4	12	15/32	3	7/64
	150	6	16	5/8	4	5/32
	200	8	21	13/16	5	13/64



precision files



WARDING

	Length		Width		Thickness	
	mm	in	mm	in	mm	in
100	4		12	15/32	1.2	3/64
150	6		16	5/8	2	5/64
200	8		20	51/64	2.75	7/64

EQUALLING

100	4	12.7	1/2	1.20	.048
150	6	12.7	1/2	2.03	.080

BARRETTE

100	4	12	15/32	3	7/64
150	6	16	5/8	4	5/32
200	8	21	13/16	5	13/64

ROUND

	Length		Diameter	
	mm	in	mm	in
100	4		4	5/32
150	6		6	15/64
200	8		7.5	19/64

**SQUARE
(Four sides cut)**

	Length		Width	
	mm	in	mm	in
100	4		4	5/32
150	6		6	15/64
200	8		7.5	19/64

**DOUBLE-ENDED PIVOT FILE and BURNISHER**

mm	Length		mm	Width		mm	Thickness	
	in	in		in	in		in	in
175	7	7	6.35	1/4	1/4	3.17	1/8	1/8

**SCREW HEAD**

mm	Length		mm	Width	
	in	in		in	in
75	3	3	10	25/64	25/64

These files are made in various thicknesses as shown in the following table:

Thickness No.	00	0	1	2	3	4	6	8
Imperial S.W.G.	19	20	21	22	23	24	26	28
Millimetres	1.02	.91	.81	.71	.61	.56	.46	.36
Inches	.040	.036	.032	.028	.024	.022	.018	.015

ESCAPEMENT FILES

Available in
Round, Square
and other shapes

	mm	Length		Cut
		in	in	
	140	5 1/2	6	

RIFFLERS

No. of Shapes	mm	Length	in	Cut
18	150	5 3/4	3	

Regular Light
Silversmiths Light
Die Makers

No. of Shapes	mm	Length	in	Cut
18	150	5 3/4	3	
10	175	6 7/8	0	
31	175	6 7/8	0	

Cuts: 0, 2, 4, 6 (see price list)

Sizes: (Centimetres) **12, 14, 16, 18** (inches) $4\frac{3}{4}$, $5\frac{1}{2}$, $6\frac{1}{4}$, 7**ROUND****SQUARE****THREESQUARE****WARDING****KNIFE****HALF ROUND****CROSSING****BARRETTE****PIPPIN****HAND****SLITTING****ROUND EDGE JOINT**